



## Techbook and Streaming Access Supports Achievement in North Carolina

- A recent study found 34 performance indicators to show that schools with Discovery Education's services performed better on North Carolina's state assessments.
- The analysis of student assessment data in 2016-2017 at North Carolina's 2,404 public schools also revealed striking results among African-American students, demonstrating up to an 11-point *statistically significant advantage* over schools without Discovery Education services such as **Science Techbook**, **Math Techbook**, and **Streaming Plus**.

Discovery EDUCATION | MATH TECHBOOK

**GRADE-LEVEL PROFICIENCY:**

Math Techbook schools have a 9-point statistically significant advantage over non-Discovery Education (DE) schools in the End of Course (EOC) Math 1 assessment.

An additional 5.5% of students in DE partner schools meet the state's benchmark in the ACT Math section.

DE partner schools perform particularly well throughout with a statistically significant advantage (over non-DE partners) in EOC Math 1, End of Grade (EOG) Math for grades 3, 4, 5 and 6, as well as in the ACT Math section.

**African-American students:**

- » Math Techbook schools have a 10-point statistically significant advantage over non-DE schools in the EOC Math 1 assessment.
- » An additional 6.6% of African-American students in DE schools achieve proficiency in the EOC Math 1 course.

**COLLEGE AND CAREER READY:**

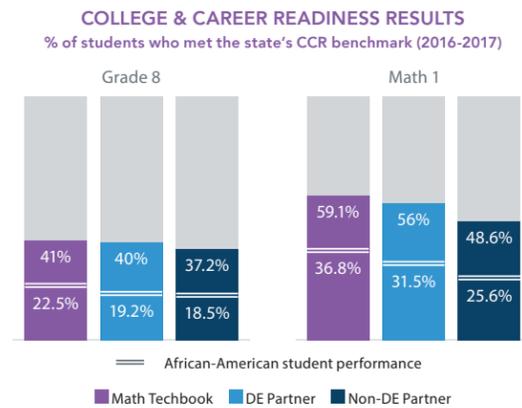
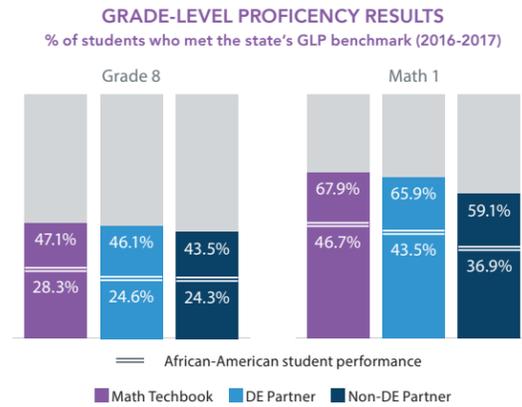
Math Techbook schools have a 10.5-point statistically significant advantage over non-DE schools in the EOC Math 1 assessment.

DE partner schools perform particularly well throughout with statistically significant differences (over non-DE partners) in EOC Math 1, EOG Math for grades 3, 4, 5, 6 and 8, as well as in the ACT Math section.

DE partner schools have about a 5-point advantage over non-DE partner schools in terms of college and career ready compliance in grades 3, 4, and 5.

**African-American students:**

- » Math Techbook schools have an 11-point statistically significant advantage over non-DE schools in the EOC Math 1 assessment.
- » 3-4 point statistically significant advantage for Math Techbook schools in EOG Math grades 7 and 8.



Discovery EDUCATION | SCIENCE TECHBOOK

**GRADE-LEVEL PROFICIENCY:**

An additional 4.3% of students in DE partner schools meet the state's benchmark in the ACT Science section compared to students in non-DE schools.

DE schools have a 6.7 point advantage in EOC Biology.

Science Techbook schools have a 3 point advantage in EOG Science Grade 5.

**African-American students:**

- » Science Techbook schools have a 4-point statistically significant advantage over non-DE schools in EOG Science Grade 5.
- » DE schools have a 6.8 point advantage in EOC Biology.

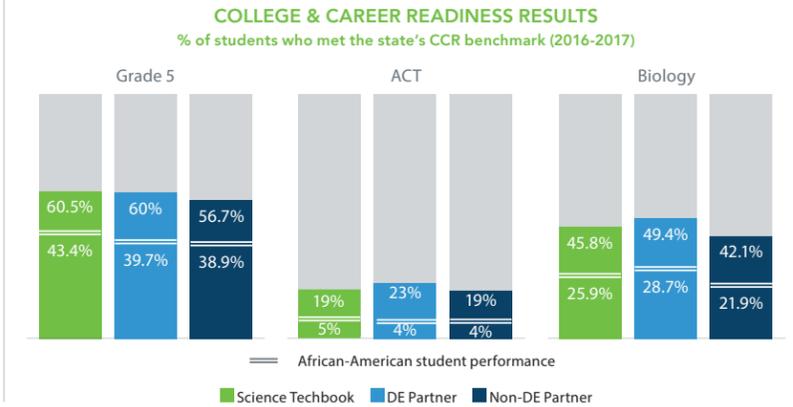
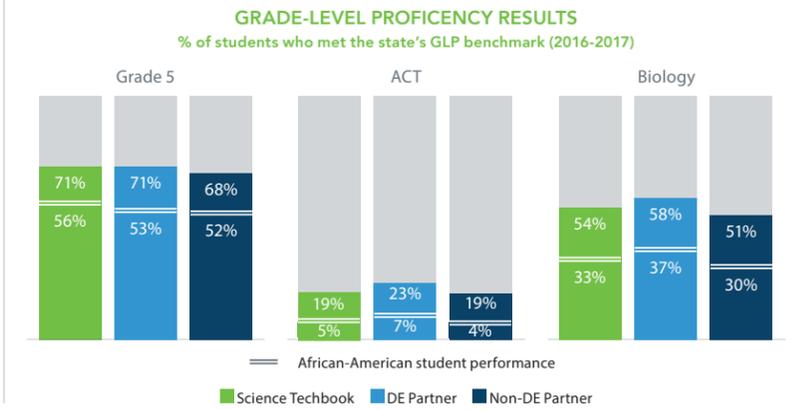
**COLLEGE AND CAREER READY:**

DE schools have a 7.3 point advantage in EOC Biology.

Science Techbook schools have a 2-4 point advantage in EOG Science for grades 5 and 8.

**African-American students:**

- » An additional 6.8% of African-American students taking the EOC Biology assessment in DE partner schools meet the state's college and career ready benchmark compared to students in non-DE schools.
- » Science Techbook schools have a 4-point statistically significant advantage over non-DE schools in EOC Biology and EOG Science Grade 5.



**Reading / ELA Findings**

**GRADE-LEVEL PROFICIENCY:**

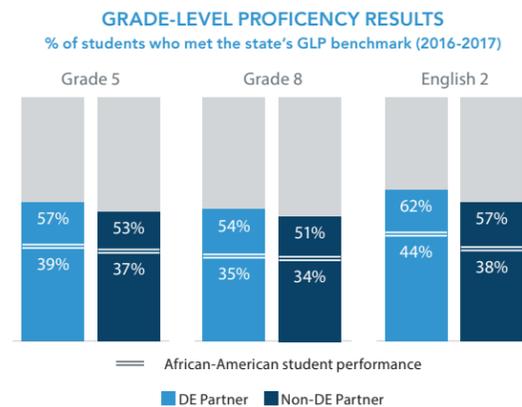
DE schools have a 5.4-point statistically significant advantage over non-DE schools in the EOC English 2 assessment.

DE schools have a 3-4 point advantage in compliance with proficiency benchmarks over their counterparts in Reading for grades 3 through 5.

DE schools are particularly strong in both the ACT English and ACT Reading sections with an additional 5% of students meeting the state's benchmarks.

**African-American students:**

- » DE schools have a 6.1-point statistically significant advantage over non-DE schools in the EOC English 2 assessment.
- » An additional 5% of DE school students met the state's benchmarks in both the ACT English and ACT Reading sections.



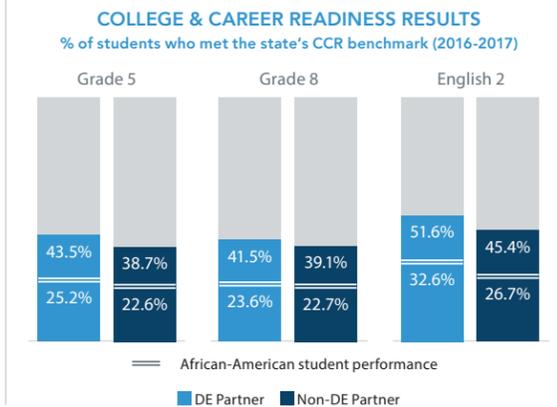
**COLLEGE AND CAREER READY:**

DE schools have a 6.2-point statistically significant advantage over non-DE schools in the EOC English 2 assessment.

DE schools have a 3-5 point advantage in compliance with college and career ready benchmarks over their counterparts in Reading for grades 3 through 5.

**African-American students:**

- » DE schools have a 5.9-point statistically significant advantage over non-DE schools in the EOC English 2 assessment.



# More Success Stories

## ASHEBORO CITY SCHOOLS, NC

Three years after implementing Science Techbook, achievement soars for elementary students.

- 42 percentage-point increase on state tests for 5th grade students (2016).

## ROWAN-SALISBURY SCHOOLS, NC

Two years after this district embarked on a strategic plan incorporating Science Techbook, student test scores increased.

- 71 percent of schools using Techbook raised their science scores on state tests (2015).
- 91 percent of schools scored proficient or better on state tests (2015).

## CHARLOTTE-MECKLENBURG SCHOOLS, NC

After using Techbook, CMS' 5th and 8th grade students are much better prepared for the future.

- 12 percentage-point increase in college and career readiness (2013-2016).
- 6 percentage-point increase in proficiency for 5th grade science students (2015-2016).
- 10.5 leap over state proficiency scores for Math 1 students (2015-2016).

## RICHMOND COUNTY SCHOOLS, NC

Middle school student scores soar with Math Techbook.

Math Techbook has become the core instructional resource for middle school educators to support their teaching and learning.

- 8th grade math students using Math Techbook scored 6 percentage points higher on state test than in previous years without Techbook (2015).

## WHAT EDUCATORS ARE SAYING

"We no longer have a divide between kids who love math and those who loathe it. With Math Techbook, there's a hook for every kid."

**HEATHER JAMES**

Middle School Math Teacher,  
Richmond County Schools, NC

"Discovery Education is one of the best digital resources that we have in terms of personalizing learning, whether it's addressing a language issue or reading struggles, they provide all those resources, structuring and scaffolding."

**TRACI KOHLER**

Director of STEAM Resources,  
Collier County Public Schools, FL

"Math Techbook has turned our scores around."

**DR. ANDY HENRIKSON**

Superintendent,  
Mundelein School District 75, IL



Transcend the traditional. Go beyond the expected.....

Take learning beyond the classroom and into the real world. Schedule a strategy session today with Discovery Education to see how we can help your students achieve more.

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[DISCOVERYEDUCATION.COM/REQUEST-DEMO](http://DISCOVERYEDUCATION.COM/REQUEST-DEMO)